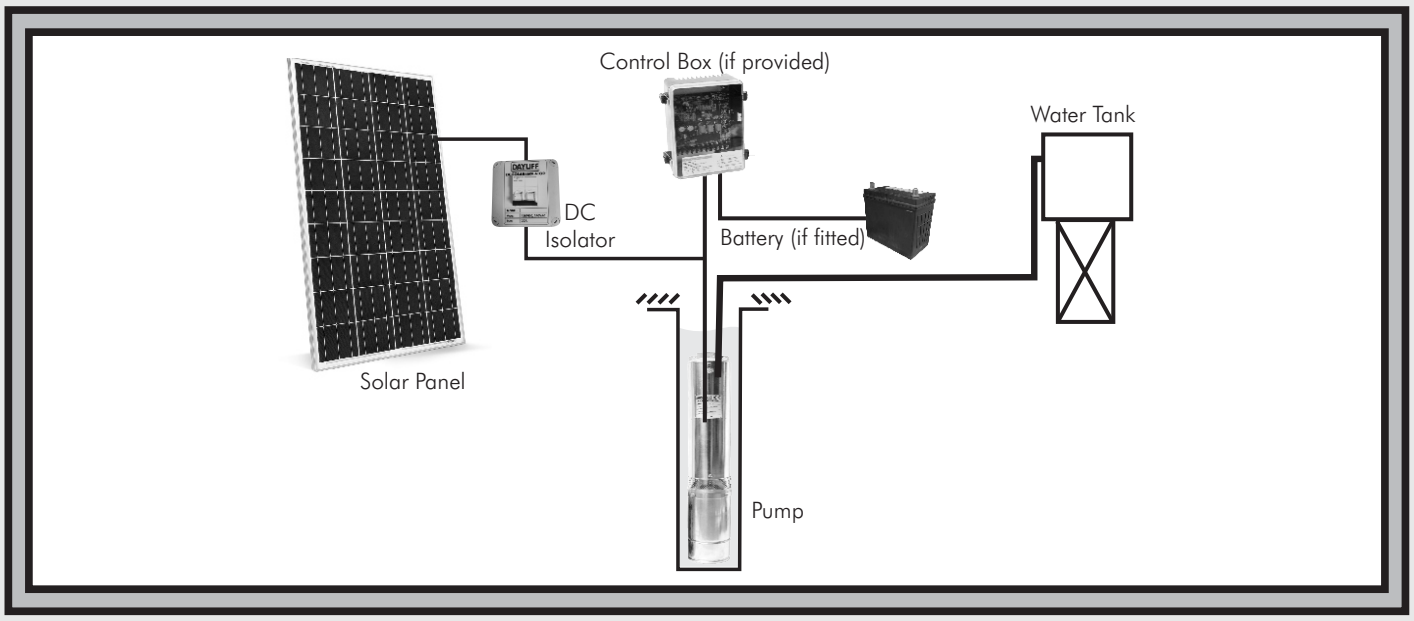
UPDATED

DAYLIFF

SUNFLO

Solar Pumping Systems



Solar pumping is now firmly established as the technology for water supply in remote off-grid applications and also as the costs reduce increasingly for general pumping duties. Dayliff have been leaders in the technology since the birth of the industry and today offer a wide range of options for every solar pumping requirement imaginable. Particularly a range of competitive, high specification solar pumping systems have been developed for smaller scale applications which are based on robust submersible solar pumps specially designed for PV powered water supply from wells and boreholes.

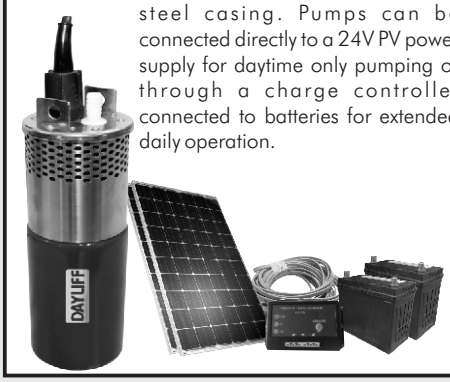
Together with the pump all systems include:-

- The appropriate specifications and number of Grade 1 PV modules with connectors for simplified installation
- Submersible drop cable and joint together with 10m module connection cable
- DC solar isolator with MCB control provided for module isolation
- Safety rope and HDPE pipe connectors

Module supports and piping are not included. The various systems offered give a wide range of duties, indicative performance being given. Full details of pump performance and specification is given in the Dayliff Product Manual and should be referred to when selecting equipment.

SUNFLO-S

Positive displacement type of three chamber diaphragm design. They are manufactured from high quality engineering plastics with stainless steel casing. Pumps can be connected directly to a 24V PV power supply for daytime only pumping or through a charge controller connected to batteries for extended daily operation.

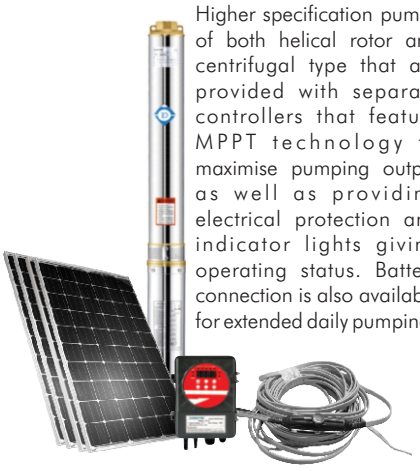


SUNFLO-A

All models are of helical rotary screw stainless steel design for high efficiency and feature an inbuilt controller that gives operating protection for direct connection to the PV modules. All models are of narrow 3" diameter specifically designed for boreholes.

SUNFLO-B2

Higher specification pumps of both helical rotor and centrifugal type that are provided with separate controllers that feature MPPT technology to maximise pumping output as well as providing electrical protection and indicator lights giving operating status. Battery connection is also available for extended daily pumping.



System Options

Pump Model	Indicative Performance	Input Voltage (V)	Motor Rating Watts	Peak Voltage (V)	Open Circuit Voltage (VoC)	PV Modules	Cable length, 2.5mm²	Outlet Size
SUNFLO-S 300	3m³/day at 60m	24	300	24	<50	2x200W	60m	¾"
SUNFLO-A 150H	2m³/day at 30m		150	≥30		1x200W	30m	
SUNFLO-A 270H	3m³/day at 50m	36	270	≥45	<100	2x200W	50m	
SUNFLO-A 600H	4m³/day at 70m	48	600	≥60		4x200W	70m	
SUNFLO-B2 400C	9m³/day at 30m		400	≥40	<75	1x545W	30m	1¼"
SUNFLO-B2 800C	10m³/day at 50m	72	800	≥70	<110	2x545W	50m	
SUNFLO-B2 1300C	13m³/day at 100m	130	1300	≥130	<180	4x545W	100m	

Note1: Greater water outputs will be available at lower heads
Note2: Actual performance will be determined by site conditions and irradiation levels.